

00522T 9205/50

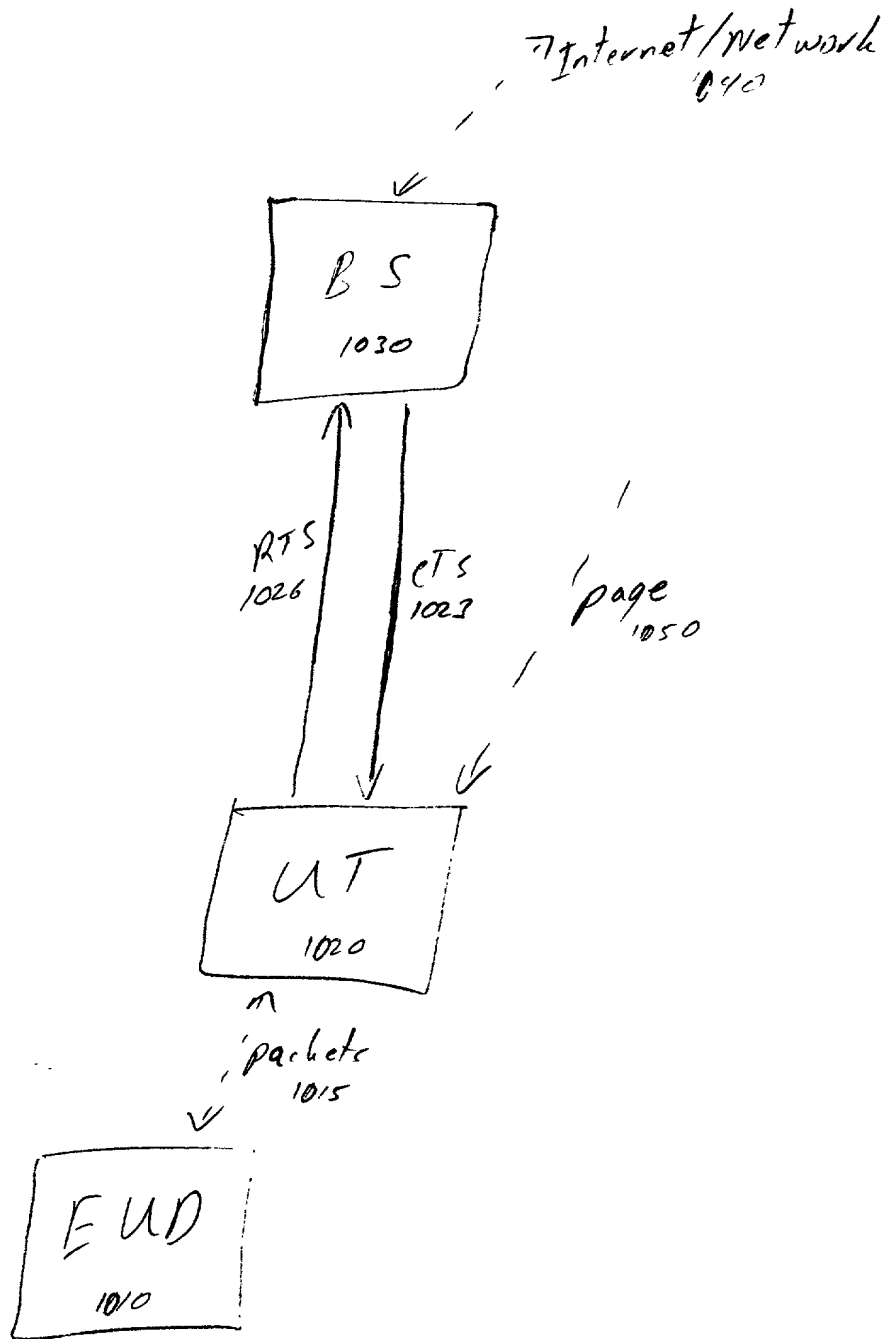


Fig. 1A

	A	B	C
1			
3			
5			
7			
9			
11			
13			
15			

Fig. 1B

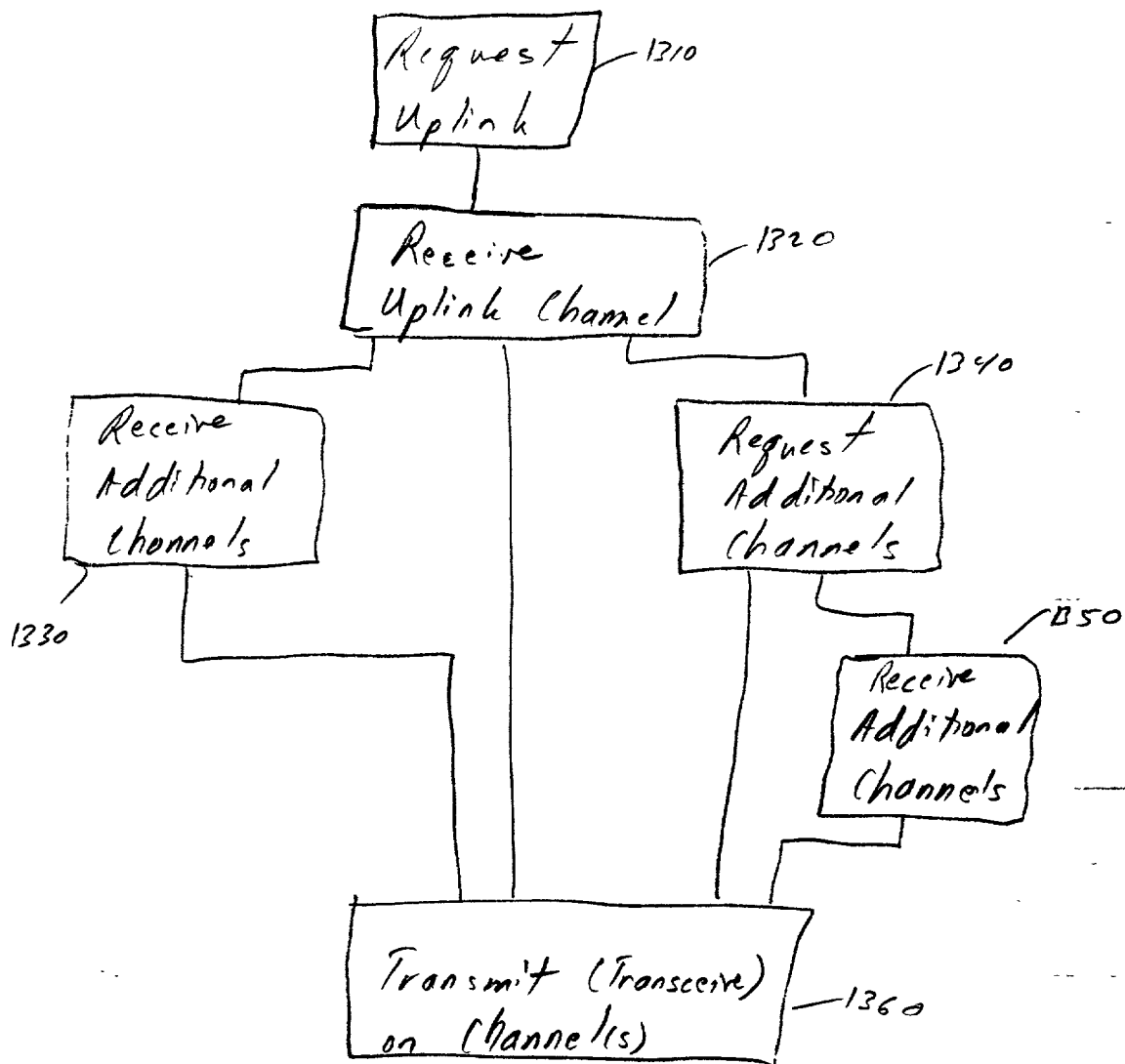


Fig. 2

0075336-1-1000

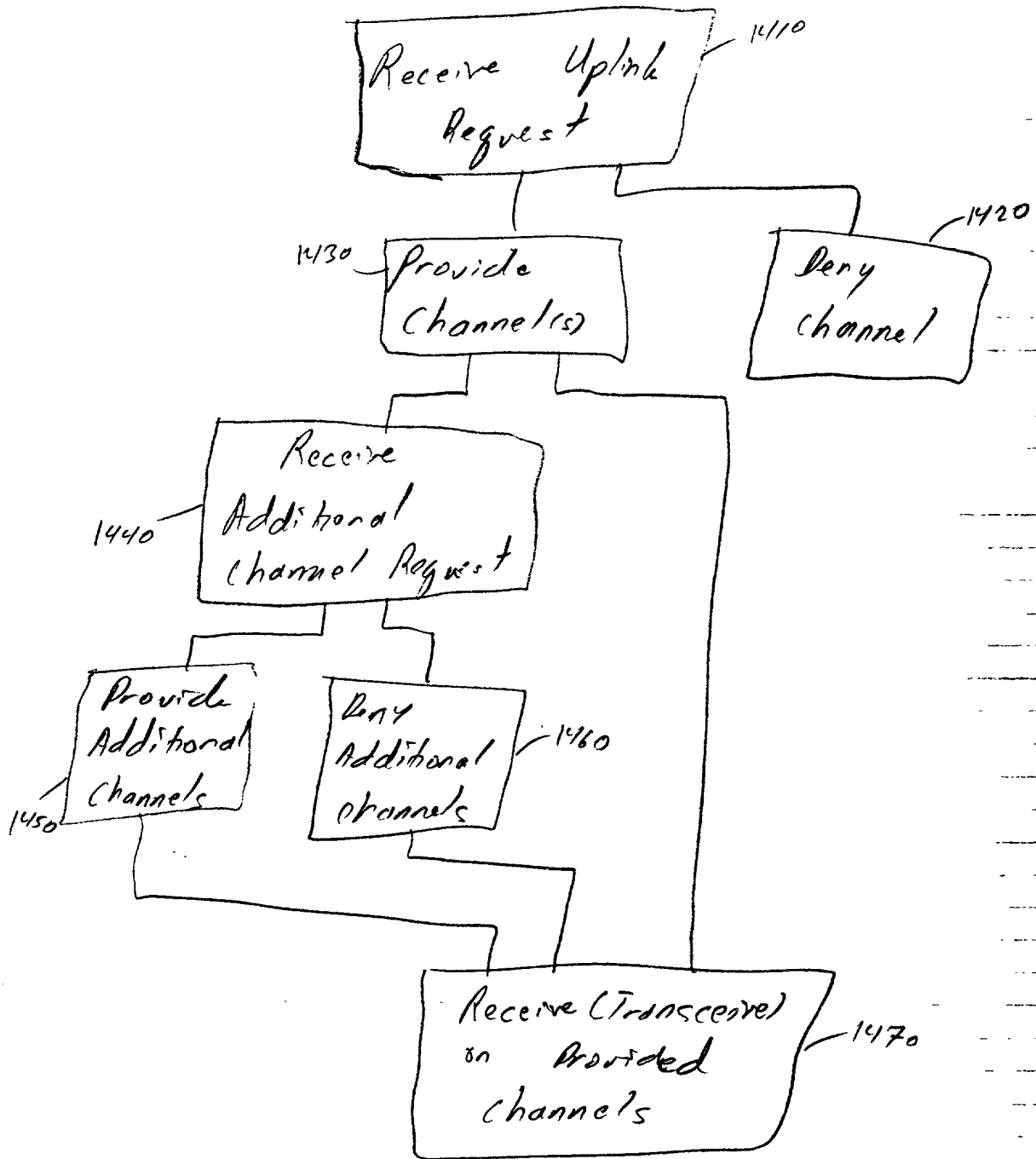
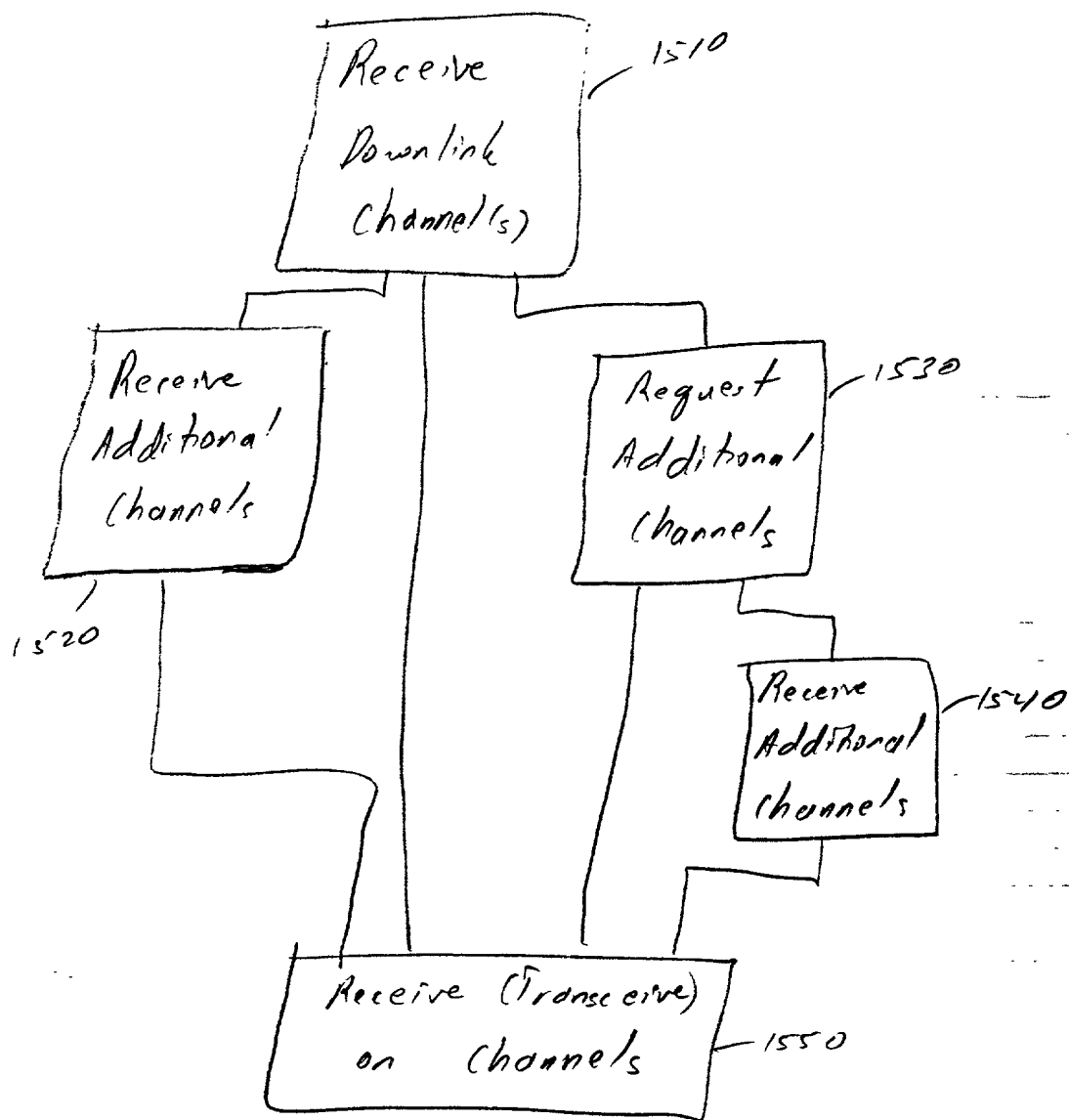


Fig. 3



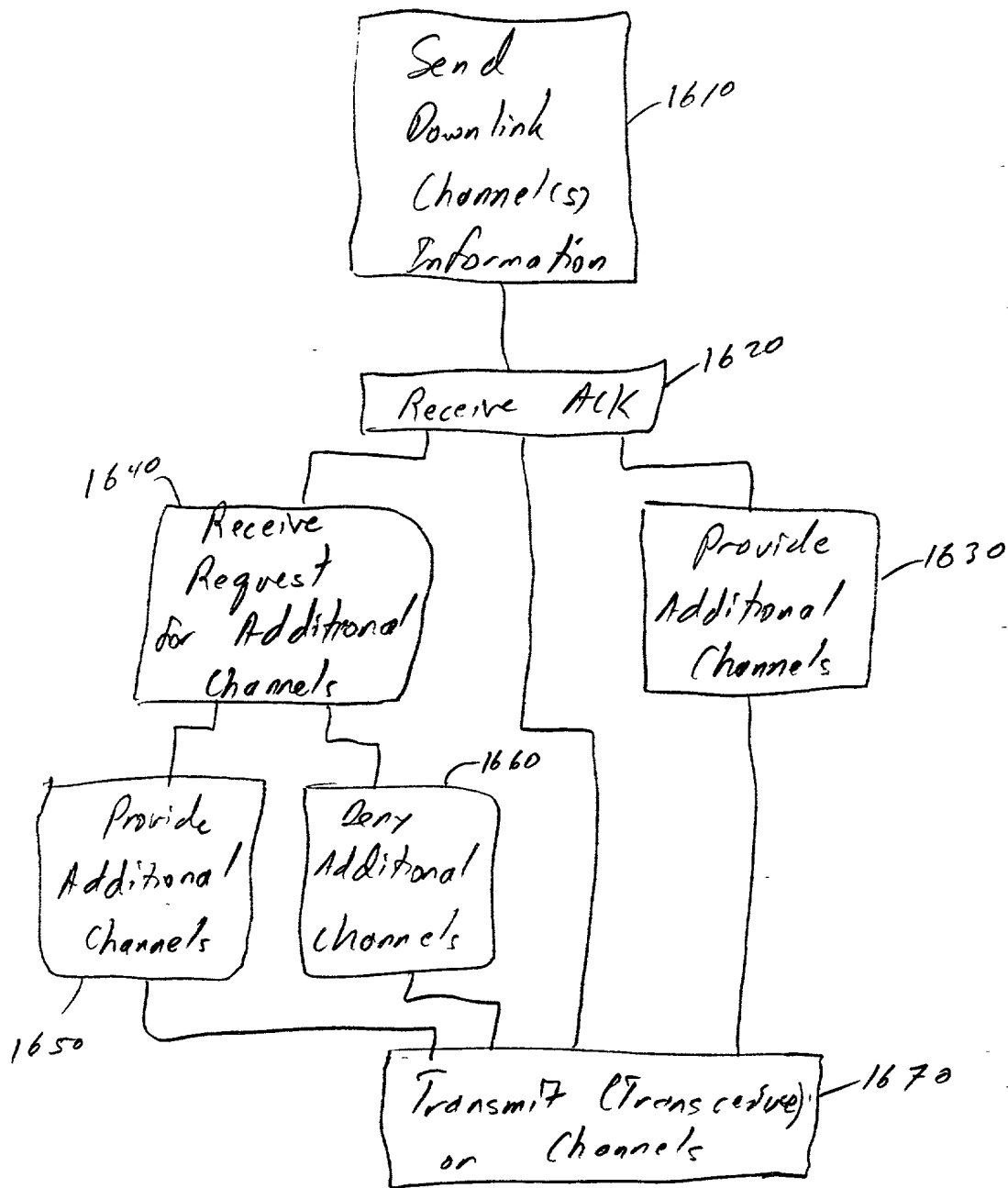


Fig. 5

WFO3
CHSOL

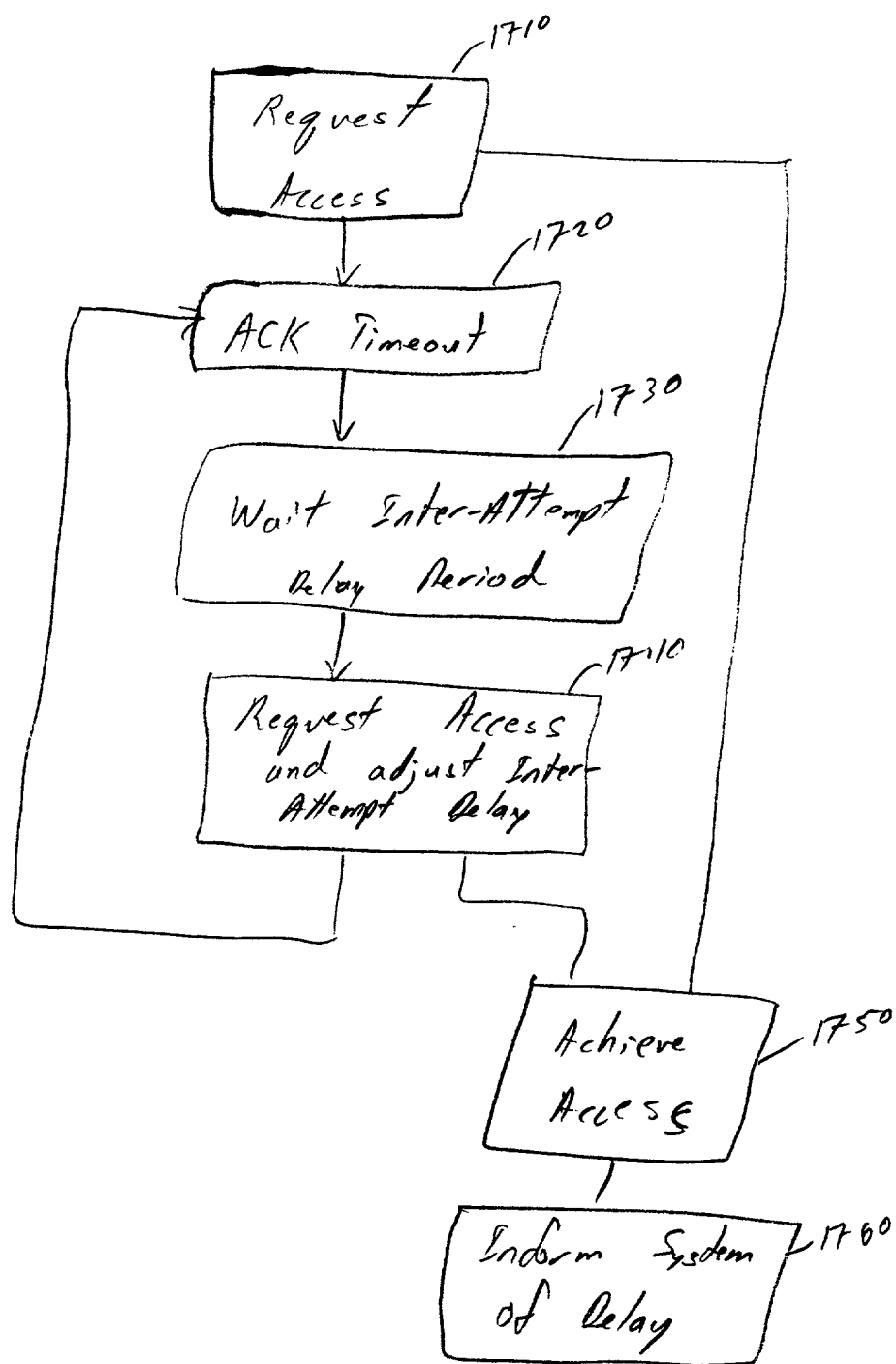


Fig. 6

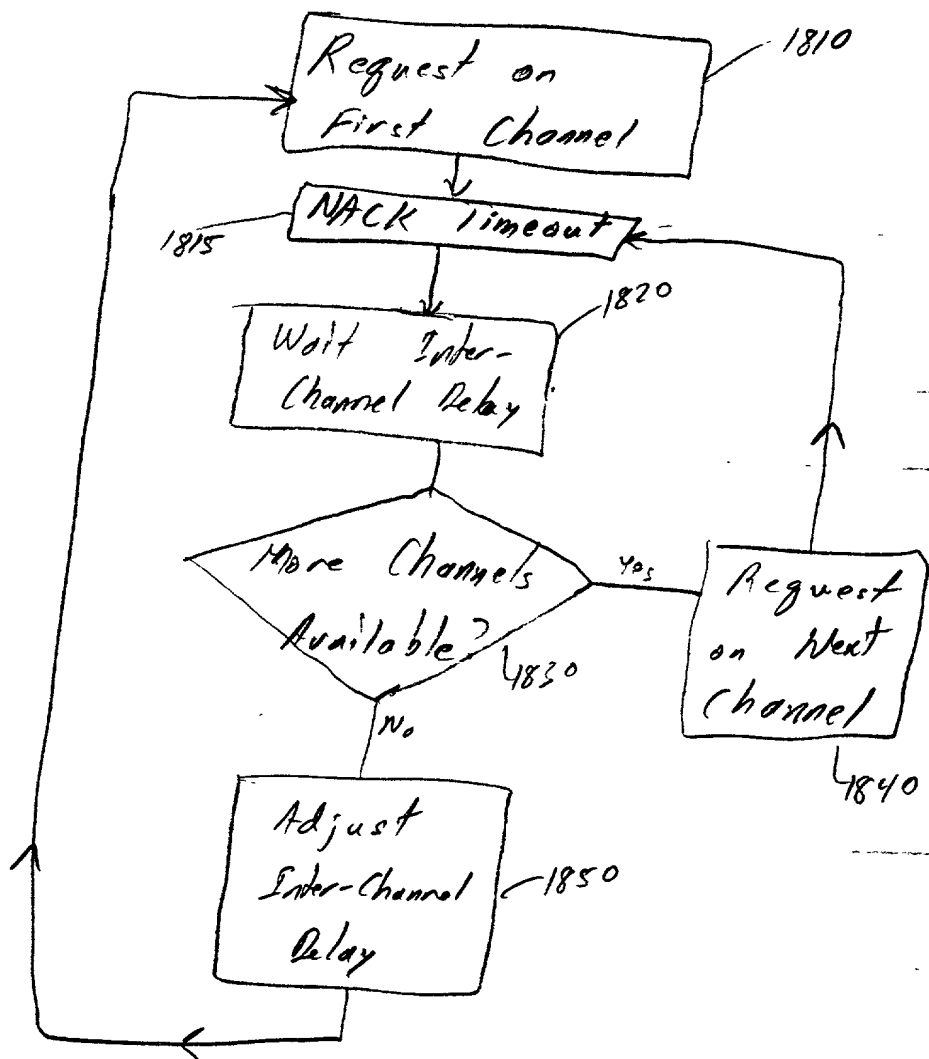


Fig. 7

09753066-122900

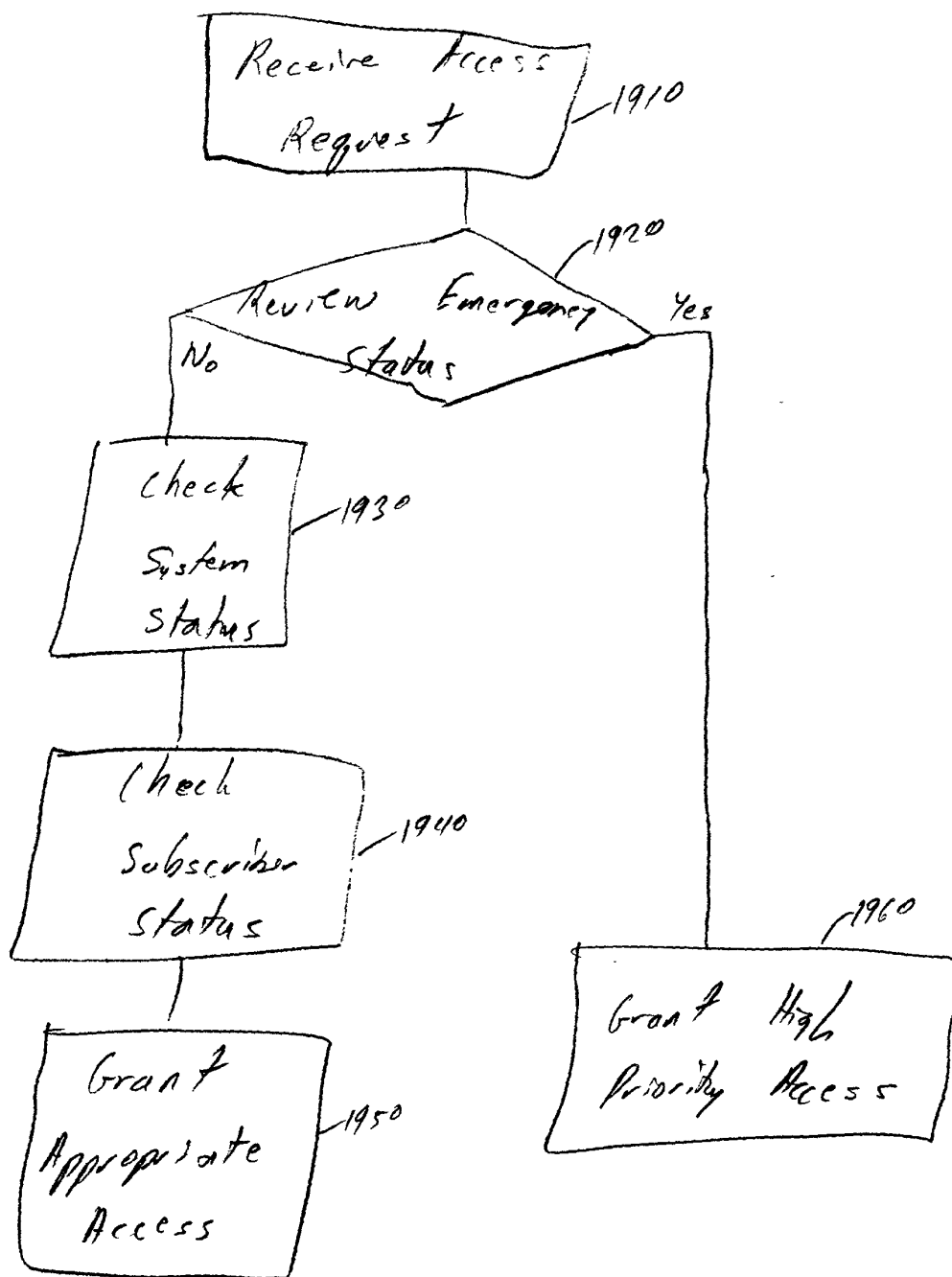


Fig. 8

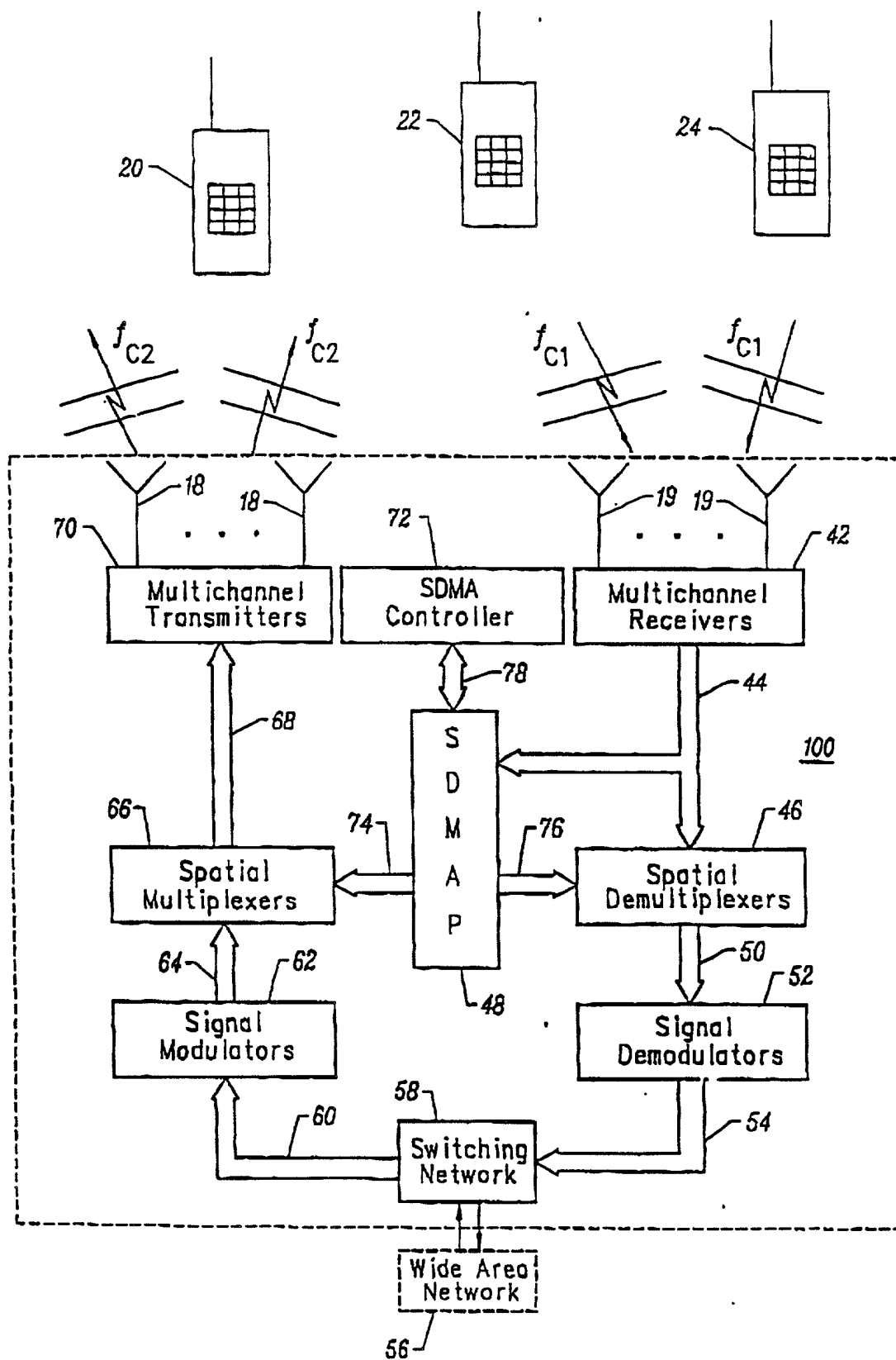


FIG. 9

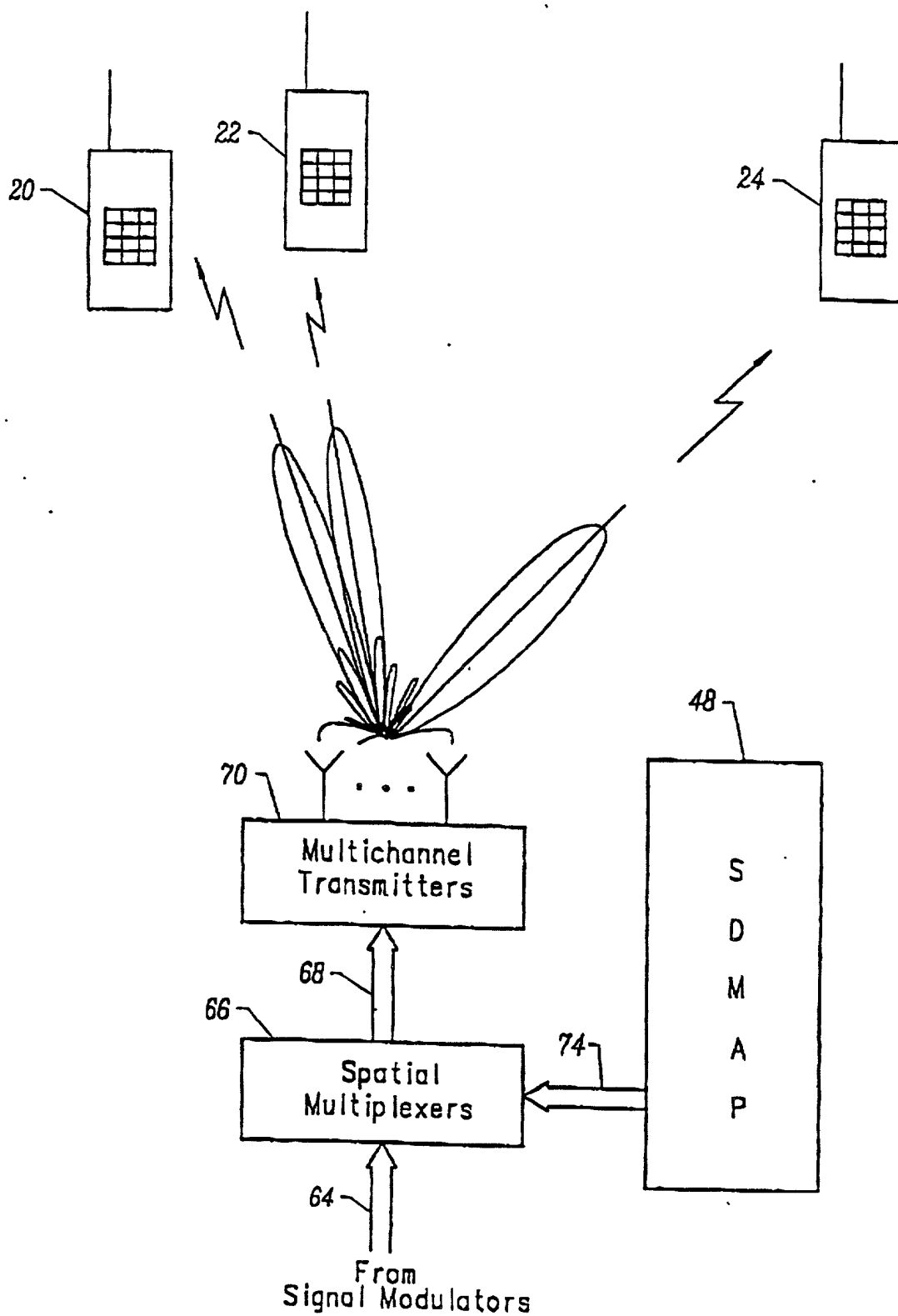


FIG. 10

005217 9925260

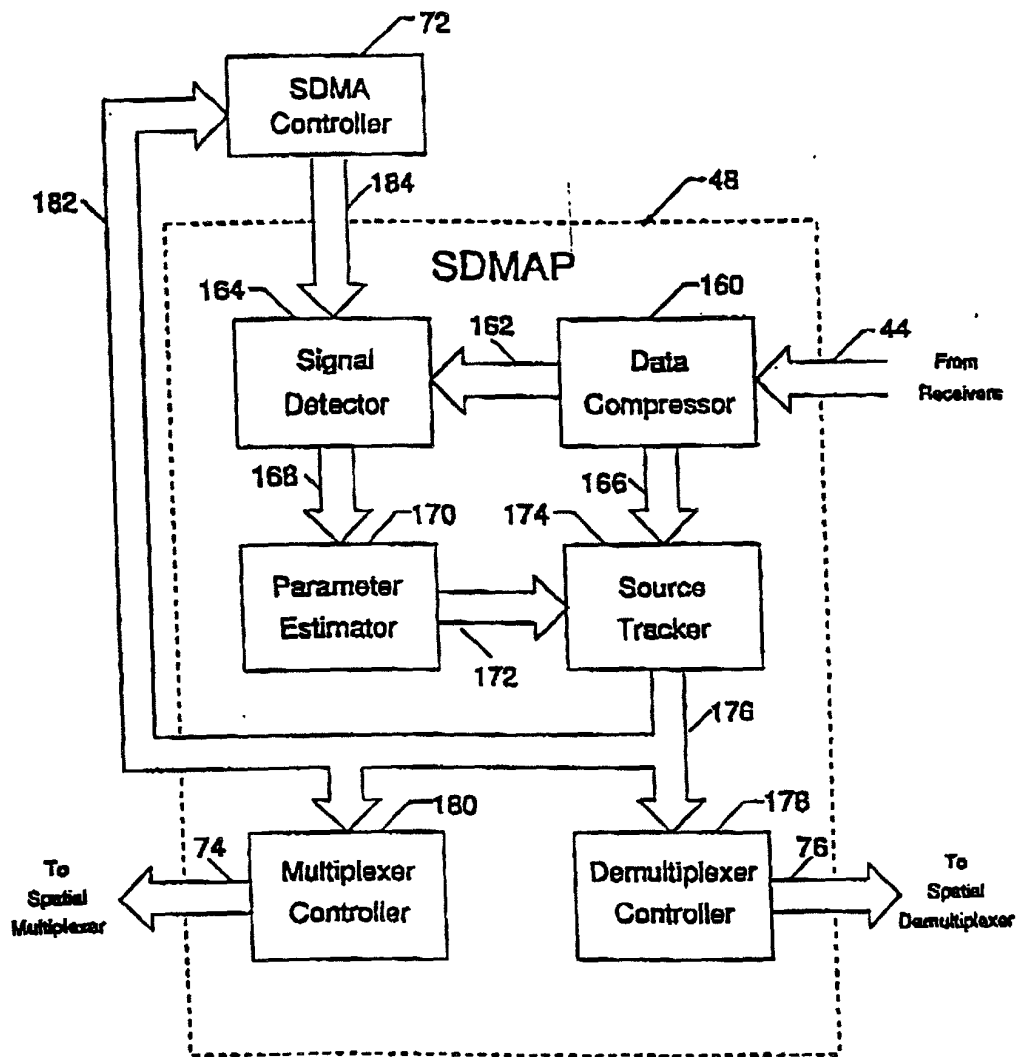


FIG. 11

The diagram illustrates a multi-channel receiver and transmitter system. At the top, four antenna elements are shown within a dashed box labeled 103. These antennas are connected to a central DUPLEXER block (107) which has RX and TX ports. The RX port of the duplexer is connected to a 4 x RF RECEIVER MODULES block (205) via a line labeled 4. The TX port is connected to an RF TRANSMIT MODULES block (245) via a line labeled 4. The 4 x RF RECEIVER MODULES block (205) is connected to an ADC block (209) via a line labeled 4. The ADC block (209) is connected to a DOWN CONVERTER block (213) via a line labeled 4. The DOWN CONVERTER block (213) is connected to a TIMESLOT PROCESSORS block (217) via a line labeled 4 x 4. The TIMESLOT PROCESSORS block (217) is connected to a HOST DSP block (231) via a line labeled 4. The RF TRANSMIT MODULES block (245) is connected to a TRANSMIT CONTROLLER/MODULATOR block (237) via a line labeled 4. The TRANSMIT CONTROLLER/MODULATOR block (237) is connected to the HOST DSP block (231) via a line labeled 4. A central RF/TIMING CONTROLLER block (233) is connected to the DUPLEXER (107), the ADC (209), the RF TRANSMIT MODULES (245), and the HOST DSP (231). The HOST DSP block (231) is connected to a HIGHER LEVEL PROCESSING block via a bidirectional arrow.

Figure 12

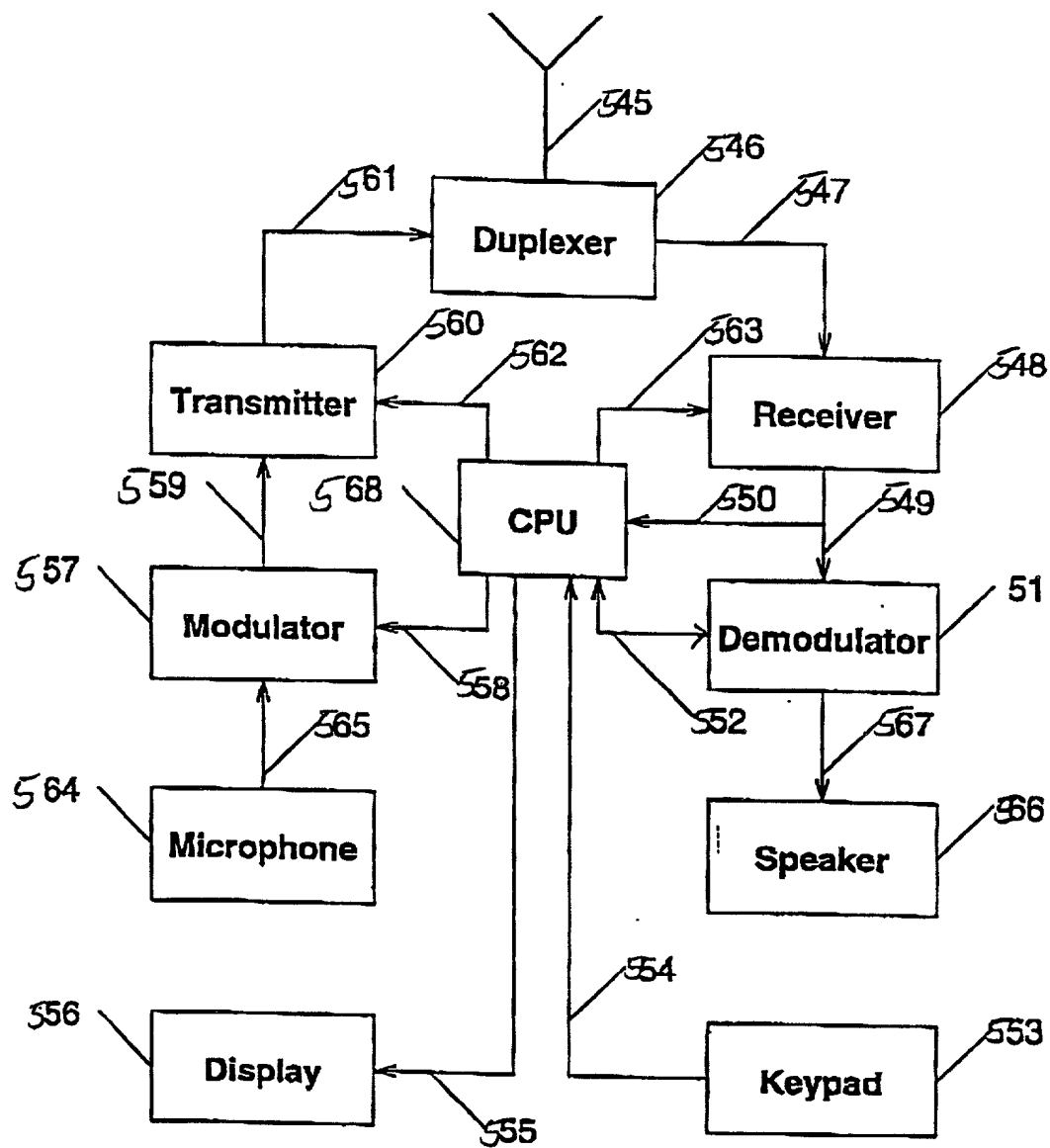


FIG. 13

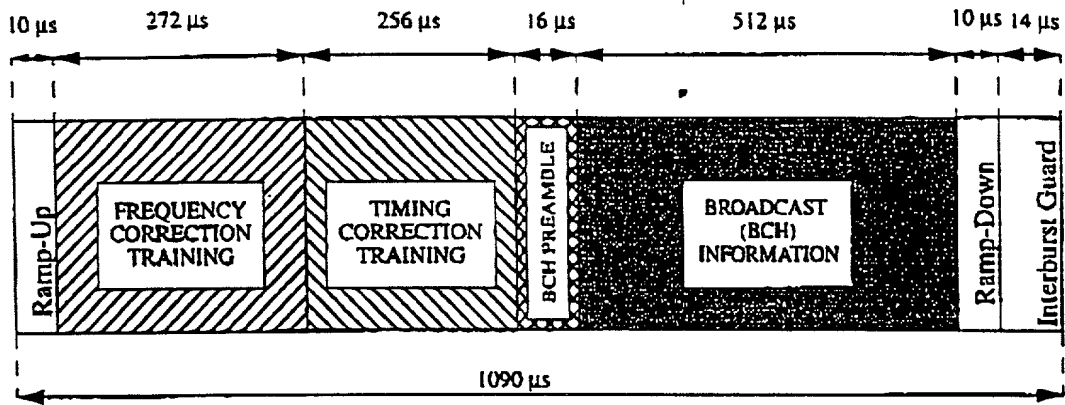


Fig. 14

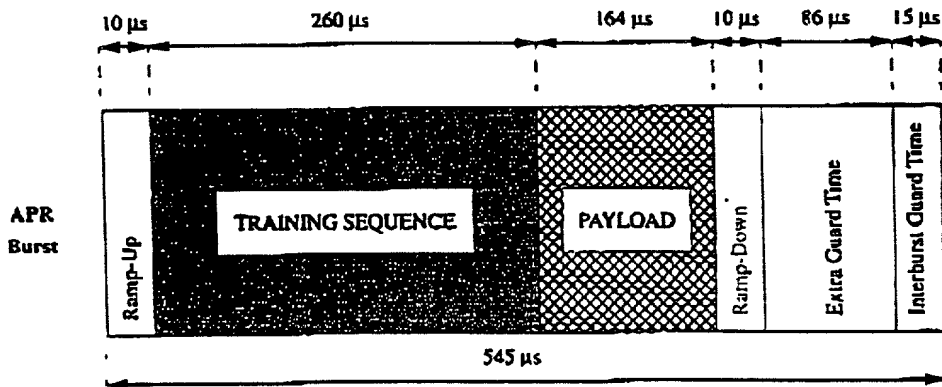


Fig. 15

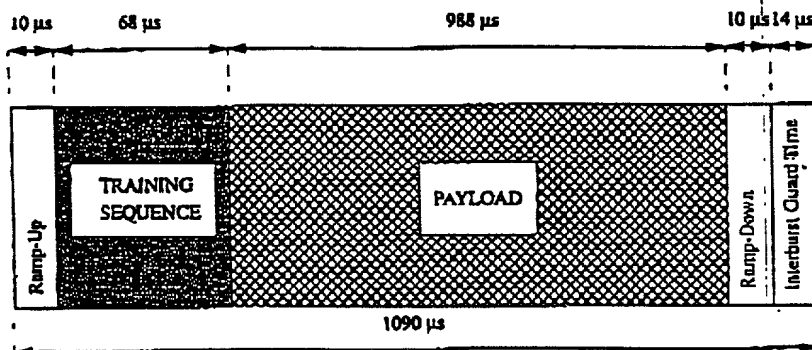


Fig. 16

	Base Station		Remote Terminal
300	Acquire GPS Timing		
302	Determine BCH slot time		
304		BCH \Rightarrow	
306			Scan BCH channels
308			Acquire Frame Timing
310			Acquire Synchronization
312			Build Map of Base Stations BCHs and BSCCs
314			Select Base Station
316			Build CR using UTID and transmit power
318			Scramble CR using BSCC
320		\Leftarrow Configuration Request	
322	Unscamble CR using BSCC		
324	Determine Spatial Signature of Remote CR		
326		Configuration Message \Rightarrow	
328			Adjust timing and power
330		\Leftarrow Traffic Request	
332		Traffic Assignment \Rightarrow	
334		\Leftarrow Traffic \Rightarrow	
336		Send packet \Rightarrow	
338		\Leftarrow Send DA and packet	
340		Send DA and packet \Rightarrow	
342		\Leftarrow Send DA and packet	

Figure /7